Title (en)

    CALIBRATION FOR MULTI-COMPONENT ASSAYS

Title (de)

    KALIBRIERUNG FÜR MEHRKOMPONENTEN-ASSAYS

Title (fr)

    ÉTALONNAGE POUR DOSAGES À COMPOSANTS MULTIPLES

Publication

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Application

    EP 14728186 A 20140604

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- EP 13171044 A 20130607
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Abstract (en)

    [origin: EP2811300A1] The invention provides for a method of analyzing a biological sample (404) using an analyzer (400) and an assay (408). The method comprises providing (100) the assay for producing the signal. The assay has two or more predetermined number of components. Each of predetermined number of components has a distinct relation between the intensive property and the signal. The method further comprises providing (102, 200) calibration samples with known values (430) for the intensive property and measuring (104, 202) a calibration signal (432) for each of the calibration samples. The method further comprises determining (106, 206) a calibration (434) by fitting a calibration function to the calibration signal for each of the calibration samples and the known values for the intensive property. The calibration function is equivalent to a constant plus an exponential decay term for each of the predetermined number of components. The method further comprises measuring (108, 208) the signal (436) of the biological sample using the analyzer and the assay and calculating (110, 210) the intensive property using the calibration.

IPC 8 full level

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Citation (examination)

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